

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/107713 A3

(51) International Patent Classification⁷: **G06F 13/42**,
H04L 12/56, 29/06

(21) International Application Number:
PCT/US2004/014851

(22) International Filing Date: 12 May 2004 (12.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/444,164 23 May 2003 (23.05.2003) US

(71) Applicant: **INTEL CORPORATION** (a Delaware
Corporation) [US/US]; 2200 Mission College Boulevard,
Santa Clara, CA 95052 (US).

(72) Inventor: **MUNGUA, Peter**; 1451 West Cardinal Way,
Chandler, AZ 85248 (US).

(74) Agents: **MALLIE, Michael, J.** et al.; Blakely Sokoloff
Taylor & Zafman, 12400 Wilshire Boulevard, 7th Floor,
Los Angeles, CA 90025 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

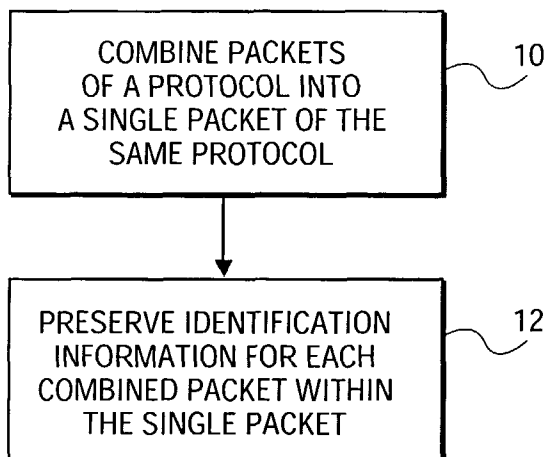
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
7 April 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PACKET COMBINING ON PCI EXPRESS



(57) Abstract: A method and device for combining packets is disclosed. In various embodiments, a plurality of packets that are compliant with a particular protocol are combined into a single packet of the same protocol. The single packet also preserves identification information for each of the combined packets within the single packet. The identification information can be used to partition and/or route the combined packets to their respective destinations.

WO 2004/107713 A3